# **PCNA Mouse mAb**

Catalog No.: AC058



## **Basic Information**

#### **Observed MW**

36kDa

### **Calculated MW**

29kDa

### Category

Loading control antibody

### **Applications**

WB,IF/ICC,IF-P,IHC-P,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

AMC0704

## **Background**

Enables estrogen receptor binding activity. Involved in several processes, including estrous cycle; liver regeneration; and response to dexamethasone. Located in nucleus. Biomarker of several diseases, including brain ischemia (multiple); mucositis; obstructive jaundice; osteoporosis; and sciatic neuropathy. Human ortholog(s) of this gene implicated in stomach cancer. Orthologous to human PCNA (proliferating cell nuclear antigen).

## **Recommended Dilutions**

WB	1:1000 - 1:10000
IF/ICC	1:200 - 1:800

IF-P 1:200 - 1:800

**IHC-P** 1:2000-1:8000

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

## **Immunogen Information**

Gene ID	Swiss Prot
25737	P04961

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

PCNAR; Pcna/cyclin

## Contact

<b>a</b>	400-999-6126
<b>×</b>	cn.market@abclonal.com.cn
	www.abclonal.com.cn

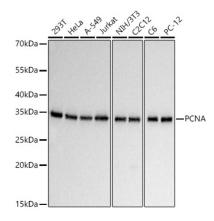
### **Product Information**

SourceIsotypePurificationMouseIgG2a, κAffinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% sodium azide,50% glycerol,pH7.3



Western blot analysis of various lysates using PCNA Mouse mAb (AC058) at 1:5000 dilution incubated overnight at  $4^{\circ}$ C.

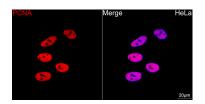
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

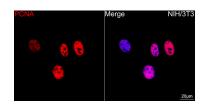
Lysates/proteins: 25 µg per lane.

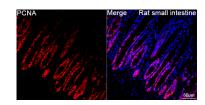
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.

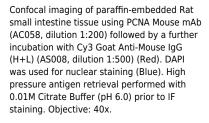


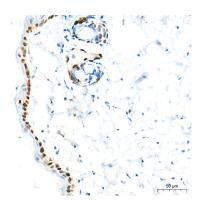




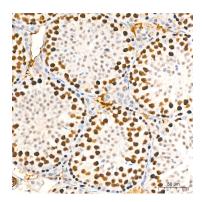
Confocal imaging of HeLa cells using PCNA Mouse mAb (AC058, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

Confocal imaging of NIH/3T3 cells using PCNA Mouse mAb (AC058, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

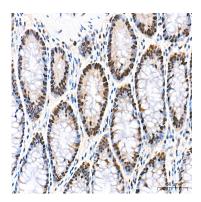




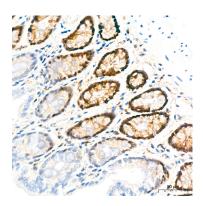
Immunohistochemistry analysis of paraffinembedded Mouse skin tissue using PCNA Mouse mAb (AC058) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse testis tissue using PCNA Mouse mAb (AC058) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human colon tissue using PCNA Mouse mAb (AC058) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat colon tissue using PCNA Mouse mAb (AC058) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.